

53883-309

11/16/2012

1/13



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

53883-309

Date of Issuance:

NOV 16 2012

NOTICE OF PESTICIDE:

[X] Registration
[] Reregistration
(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:
Quali-Pro Enclave™ 5.3 F

Name and Address of Registrant (include ZIP Code):

Control Solutions, Inc.
(A Makhteshim-Agan Company)
5903 Genoa Red Bluff
Pasadena, TX 77507 Attn. Bert Volger

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(7)(A), provided that you:

- 1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

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Signature of Approving Official:

[Handwritten signature: Tony Kish]

Date:

NOV 16 2012

Tony Kish, Product Manager, Team 22
Fungicide Branch, Registration Division (7504P)

2. Make the following change to the label:

- a. Change the product registration number to "EPA Reg. No. 53883-309".
- b. On page 2 in the User Safety Requirements box, second line; add parenthesis to "(PPE)".
- c. On page 3 in the Agricultural Use Requirements box, line 6; add "(REI)" after "restricted-entry interval".
- d. On page 3, in the Agricultural Use Requirements box, second paragraph, first line; delete "restricted-entry interval" before "(REI)".
- e. On page 3, above "Directions For Use", add another section titled "Physical or Chemical Hazards", and add this sentence- "Do not use with or store near any oxidizing or reducing agents."
- f. On page 4, in "Product Information" delete, "Add required amount...material in suspension" because it is also on page 5 in "Mixing Instructions". Similarly delete "Apply to turf in no less..per acre" because this is also on page 5 in "'Turf Application Directions".
- g. On page 4 in the last paragraph, fourth line; change "such as" to "to include".
- h. On page 5, in "Turf Types" change "All cool..." to "All golf course related cool...".
- i. On page 7 in the table heading boxes delete "per" in the single application box; delete "per Season per" and add "year" after "fl. oz./1,000" in the middle max appl rate box (ie. "fl oz./1000 sq. ft./year"; delete "per Season" and add "per year" after "(Pints/Acre)" in the right hand box (ie. "Pints/Acre/year"). In the table change the two locations of "119.8" to "120" to match the "120 pints" in the text of "Tees, Greens and Aprons".
- j. On page 7 in four locations and globally, change "per Season" to "per Year".
- k. On page 7, delete the undefined "other turf areas" in "Fairways and other turf areas".
- l. On page 8, delete "Such as but not limited to:" because all intended use sites must be listed.
- m. On page 9, in the ornamental single application rate section delete "...or a total of 43.6...per season". In the cut flower single application rate section delete "...and 43.6 pints...per season". These are already covered by the equal statement in the seasonal max application section below them.

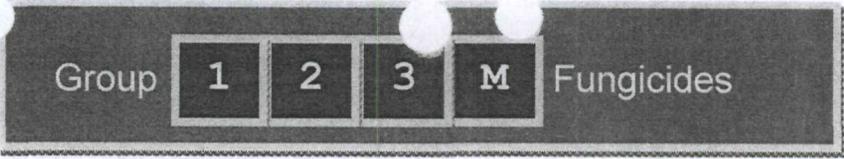
3. By 11-16-2013 submit one year GLP studies for guidelines 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics).

4. Submit one copy of the revised final printed label with all these changes before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records.

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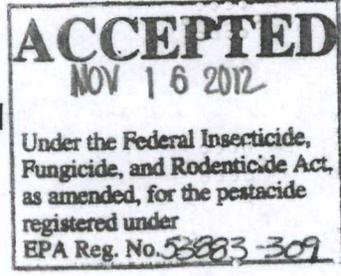


QUALI-PRO® ENCLAVE™ 5.3 F

A broad-spectrum combination of contact and systemic fungicides with multi-site mode of action for control of snow mold, spring, summer and fall turf diseases of non-residential turf and ornamentals

| ACTIVE INGREDIENT: | % BY WT. |
|---|---------------|
| Chlorothalonil (tetrachloroisophthalonitrile) | 28.7% |
| Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide | 9.4% |
| Thiophanate methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate]) | 9.4% |
| Tebuconazole: alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol | 2.8% |
| OTHER INGREDIENTS: | 49.7% |
| TOTAL | 100.0% |

Contains 3.0 pounds of chlorothalonil per gallon.
 Contains 1.0 pounds of iprodione per gallon.
 Contains 1.0 pounds of thiophanate methyl per gallon.
 Contains 0.3 pounds of tebuconazole per gallon.



**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Manufactured for:
 Control Solutions, Inc.
 5903 Genoa-Red Bluff Road
 Pasadena, TX 77507-1041

EPA Reg. No. 53883-~~xxx~~ 309

EPA Est. No. [REDACTED]

NET CONTENTS: [REDACTED] GALS

| FIRST AID | |
|--------------------------------|--|
| IF SWALLOWED: | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. |
| IF IN EYES: | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. • Call a poison control center or doctor for treatment advice. |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| IF INHALED: | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice. |

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® at (866) 897-8050 for emergency medical treatment information.

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water, after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are barrier laminate, butyl rubber (≥ 14 mils), neoprene rubber (≥ 14 mils) and polyethylene. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Mixers, loaders, and applicators who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves Category A such as barrier laminate, butyl rubber, nitrile or neoprene rubber, polyvinyl chloride or Viton.
- Protective eyewear
- Chemical-resistant apron for mixers, loaders, and other handlers exposed to the concentrate.

User Safety Requirements: Follow manufacturer's instructions for cleaning/maintaining personal protective equipment, PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

When handlers use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all of the PPE specified above for applicators and other handlers, and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, fish and aquatic invertebrates. **Do not** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **Do not** contaminate water when disposing of equipment washwater or rinsate.

GROUND WATER ADVISORY: Chlorothalonil, iprodione and tebuconazole are known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

SURFACE WATER LABEL ADVISORY: This product may contaminate water through drift or spray in wind. Under some conditions, it may also have a high potential for runoff into surface waters for several days to weeks after application. Poorly draining soils, wet soils with readily visible slopes toward adjacent

surface waters or soil with shallow water tables are more prone to runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply when wind speed favors drift beyond the area intended for treatment.

AGRICULTURAL USE REQUIREMENTS

Use this product in accordance with its labeling and with the Worker Protection Standard, 40 C.F.R. Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours for all crops.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The area treated must be vacated by unprotected persons.

Do not enter or allow others to enter until sprays have dried.

Do not treat areas while unprotected humans or domestic animals are present in the treatment area. Because certain States may require more restrictive reentry intervals, consult your State Department Agriculture for further information.

GENERAL PRECAUTIONS

QUALI-PRO® ENCLAVE 5.3 F can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control. Do not combine QUALI-PRO® ENCLAVE 5.3 F in a spray tank with pesticides, surfactants, or fertilizers, unless prior use has shown the combination to be physically compatible, effective, and non-injurious under your conditions of use. Do not combine QUALI-PRO® ENCLAVE 5.3 F with DiPel® 4L, Foil®, Triton AG-98®, Triton B-1956™ as phytotoxicity may result.

Note: Prior to pouring, slowly invert container several times to assure uniform mixture.

The required amount of QUALI-PRO® ENCLAVE 5.3 F should be added slowly into the spray tank during filling. With concentrate sprays, premix the required amount of QUALI-PRO® ENCLAVE 5.3 F in a clean

container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations. Dosage rates on this label indicate fl.oz. (fluid ounces) of QUALI-PRO® ENCLAVE 5.3 F per 1,000 square feet or pints per acre, unless specified otherwise. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

APPLICATION PRECAUTIONS AND REQUIREMENTS

This product must not be applied within 25 feet for ground applications near marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

PRODUCT INFORMATION

QUALI-PRO® ENCLAVE 5.3 F is a flowable product containing fungicides with multiple modes of action, to provide broad-spectrum preventative and curative control of all major turf diseases that injure cold- and warm-season turf on golf courses.

Apply QUALI-PRO® ENCLAVE 5.3 F with ground equipment using sufficient volume of spray to provide thorough coverage. Add required amount of QUALI-PRO® ENCLAVE 5.3 F to partially filled tank agitated by mechanical or hydraulic means and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. Do not tank mix with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rate under conditions of severe disease pressure. Also, see local State Extension Service instructions for application schedules.

Use the fl.oz./1,000 square feet rate for dilute ground application. Apply to turf in no less than 1.5 - 2.5 gallons of water per 1,000 square feet or 65 - 100 gallons of water per acre. Higher spray volume will result in better coverage and better disease control.

When an adjuvant is to be used with this product, Control Solutions, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

RESISTANCE MANAGEMENT

QUALI-PRO® ENCLAVE 5.3 F is effective for strategies designed to minimize the risk of disease resistance that could otherwise develop by continuous use of single-site mode of action fungicides. To avoid the development of tolerant or resistant strains of fungi, QUALI-PRO® ENCLAVE 5.3 F should be alternated with a fungicide of different chemistry such as one from the strobilurin (QoI) class (FRAC Code 11) for season-long programs. DO NOT USE PRODUCTS CONTAINING THIABENDAZOLE OR OTHER PRODUCTS CONTAINING THIOPHANATE METHYL IN COMBINATION OR IN ROTATION WITH QUALI-PRO® ENCLAVE 5.3 F. As long as these precautions are followed, QUALI-PRO® ENCLAVE 5.3 F can be useful for disease control even if resistant strains are present.

SPRAY PREPARATION

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of QUALI-PRO® ENCLAVE 5.3 F in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of QUALI-PRO® ENCLAVE 5.3 F and then the remaining volume of water.

TURFGRASS DISEASE CONTROL USE DIRECTIONS

QUALI-PRO® ENCLAVE 5.3 F may be used with most types of spray equipment commonly used for making ground applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control. Use QUALI-PRO® ENCLAVE 5.3 F against certain foliar and soil diseases for use on all turf types such as golf course tees, greens, aprons, fairways and roughs. Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields located on or next to schools (i.e., elementary, middle, and high schools), campgrounds, churches, and theme parks.

NOTES:

- Use QUALI-PRO® ENCLAVE 5.3 F both preventatively and curatively; it is not phytotoxic on turfgrass.
- For use only by certified applicators and those under their direct supervision.
- **Do not** use QUALI-PRO® ENCLAVE 5.3 F on turf being grown for sale or other commercial uses such as sod.
- Not for Homeowner Use.
- **Do not** apply by air or through any type of Ultra Low Volume (ULV) spray system (<5 gallons per acre).

Mixing Instructions: Add the required amount of QUALI-PRO® ENCLAVE 5.3 F to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared. When tank mixing other products with QUALI-PRO® ENCLAVE 5.3 F, follow the proper sequence of additions to the spray tank. Dissolve any product in water-soluble packaging fully before adding water dispersible granules or wettable powders. Following uniform dispersion of any dry products within the tank, suspension concentrates such as QUALI-PRO® ENCLAVE 5.3 F can be added. Emulsifiable concentrates should be added last.

Turf Types: All cool- and warm-season grasses (such as but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustinegrasses and Zoysiagrasses) or their mixtures.

Controlling Turf Disease: Applications are warranted when conditions favor development of disease. Continue applications within the limitations recited below for as long as these conditions persist. For severe disease pressure, select the highest rate and shortest interval corresponding to the Rate and Remarks found in the table below.

Retreatment Intervals: The minimum retreatment interval for QUALI-PRO® ENCLAVE 5.3 F applications is 14 days at the 3 - 4 fl.oz. per 1,000 sq.ft. rate, and 21 days at the 5 - 6 fl.oz. rate, and 28 days at the 7 - 8 fl.oz. rate.

Turf Application Directions:

Apply QUALI-PRO® ENCLAVE 5.3 F uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage; usually 1½ to 2½ gallons per 1,000 sq.ft. turf area or 65 - 100 gallons of water per acre. When treating golf course greens, always treat aprons and approaches to golf greens.

Retreatment (Spray) Intervals:

- **Greens and Tees:** Make 14 - 28 day intervals as required. When disease pressure is high, it is recommended to use a retreatment interval of 14 days at the rate of 4 fl.oz. per 1,000 sq.ft.
- **Fairways and other Turf Areas:** Make repeat applications at 14 - 28 day intervals as required.

QUALI-PRO® ENCLAVE 5.3 F: APPLICATION RATES AND RETREATMENT INTERVALS FOR THE CONTROL OF DIFFERENT DISEASES

| DISEASE(S) CONTROLLED | RATE OF ENCLAVE 5.3 F fl.oz./1,000 sq.ft. * | REMARKS |
|---|--|--|
| Anthracnose (Basal** and Foliar) (<i>Colletotrichum cereale</i>) | 3.0 - 4.0 (14 - 21 day interval) 4.0** (14 day interval) 7.0 - 8.0 | Use preventatively. Make additional applications at no less than 14-day intervals as needed. Allow spray to dry on leaves with no watering in. |

| | | |
|---|---|---|
| | (28 day interval) | |
| Dollar Spot (<i>Sclerotinia homoeocarpa</i>) Copper Spot (<i>Gloeocercospora sorghi</i>) Brown Patch and Zoysia Patch (<i>Rhizoctonia solani</i>) Red Thread (<i>Laetisaria fuciformis</i>) | 3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval) | Apply when disease first appears. Make additional applications as needed. Allow spray to dry on leaves with no watering in. |
| Pink Snow Mold (<i>Microdochium nivale</i>) (Only for those areas where snow cover is not present the entire winter) | 7.0 - 8.0 (28 day interval) | Apply QUALI-PRO® ENCLAVE 5.3 F in mid to late November before turf has stopped all growth activity. Lightly water application into the root zone for best results. For best results, use a spreader-sticker. Leave on leaf surfaces with no watering-in. Minimum spray interval is 28 days. |
| Gray Leaf Spot (<i>Pyricularia grisea</i>) | 3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval) | Apply when conditions are favorable for disease development. Continue at 14-day intervals. Let spray dry on leaves with no watering in. |
| Summer Patch (<i>Magnaporthe poae</i>) | 3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval) | For preventative treatment, make 3 applications at 28-day intervals beginning in early May. Water product into the root zone thoroughly after application. If treatment is begun after the disease first appears, apply the 4 fl.oz. rate twice at 14-day intervals. Otherwise, use the 8 fl.oz. rate at 28-day intervals. |
| Fusarium Blight (<i>Fusarium roseum</i>) Necrotic Ring Spot and Spring Dead Spot (<i>Leptosphaeria korrae</i>) | 3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval) | Make two applications at 14 to 28-day intervals beginning applications when the disease first appears. |
| Stripe Smut (<i>Ustilago striiformis</i>) | 3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval) | Make two applications at 14-day intervals when disease first appears. For prevention, apply in spring before grass growth and in the fall. |
| Gray (<i>Typhula spp.</i>) and Pink Snow Mold (<i>Microdochium nivale</i>) Fusarium patch (Where snow cover is present the entire winter) | 7.0 - 8.0 (28 day interval) | Apply QUALI-PRO® ENCLAVE 5.3 F once in middle October to late November before snow cover. Do not apply on top of snow. Lightly water application into the root zone for best results. Tees and Greens Only: If conditions are favorable for <i>Fusarium</i> , a second application can be made at a minimum 28-day interval. |

*Refer to the use sites and maximum application rates table below to determine the maximum allowable rates for each application and for the season.

** Use the higher rate of 4 fl.oz. and shorter intervals of 14 days for Basal Anthracnose

QUALI-PRO® ENCLAVE 5.3 F: MAXIMUM RATES PER APPLICATION AND PER GROWING SEASON FOR DIFFERENT USE SITES

| Site | Maximum single Application Rate per fl.oz./1,000 sq.ft. | Maximum Appl. Rate per Season per fl.oz./1,000 sq.ft. | Maximum Appl. Rate per Season (Pints/Acre) |
|-------------------------------------|---|---|--|
| Golf course green/aprons | 8 | 44 | 119.8 |
| Golf Course (Tees) | 8 | 44 | 119.8 |
| Golf Course Fairways (outside FL) | 8 | 16 | 43.6 |
| Golf Course Fairways (Florida only) | 8 | 8 | 21.8 |
| Golf Course Roughs (outside FL) | 8 | 16 | 43.6 |
| Golf Course Roughs (Florida only) | 8 | 8 | 21.8 |

Note to User: Do not graze animals on treated turf. Do not feed clippings to livestock or poultry.

Maximum QUALI-PRO® ENCLAVE 5.3 F Application Rates per Season:

- **Tees, Greens and Aprons:** Do not apply more than 44 fl.oz. QUALI-PRO® ENCLAVE 5.3 F per 1,000 sq.ft. (120 pints/acre) per season. Do not apply more than 4 fl.oz. of QUALI-PRO® ENCLAVE 5.3 F per 1,000 sq.ft. at a 14-day interval, or 8 fl.oz. per 1,000 sq.ft. at a 28-day retreatment interval. Apply QUALI-PRO® ENCLAVE 5.3 F in at least 1½ to 2½ gallons of water per 1,000 sq.ft. when used in turf areas. When treating golf course greens, always treat aprons and approaches to golf greens.
- **Fairways and other turf:** Do not apply more than 16 fl.oz. QUALI-PRO® ENCLAVE 5.3 F per 1,000 sq.ft. (43.6 pints/acre) per season. Do not apply more than 4 fl.oz. of QUALI-PRO® ENCLAVE 5.3 F per 1,000 sq.ft. at a 14-day retreatment interval, or 8 fl.oz. per 1,000 sq.ft. at a 28-day interval.
- **Fairways in Florida:** Do not apply more than 8 fl.oz. QUALI-PRO® ENCLAVE 5.3 F per 1,000 sq.ft. (21.8 pints/acre) per season. Do not apply more than 4 fl.oz. of QUALI-PRO® ENCLAVE 5.3 F per 1,000 sq.ft. at a 14-day interval, or 8.0 fl.oz. per 1,000 sq.ft. at a 28-day interval. The maximum single application on fairways in Florida is 8.0 fl.oz. per 1,000 sq.ft.

Apply QUALI-PRO® ENCLAVE 5.3 F in at least 1½ to 2½ gallons of water per 1,000 sq.ft. of turf, or 65 - 100 gallons of water per acre. Higher spray volumes will result in better coverage and better disease control.

**HORTICULTURAL DISEASE CONTROL
(GREENHOUSE, NURSERY, AND LANDSCAPE)
USE DIRECTIONS**

QUALI-PRO® ENCLAVE 5.3 F provides broad-spectrum control of many foliar, stem, and below-ground diseases on a wide range of horticultural plants grown or maintained under a variety of conditions. Apply QUALI-PRO® ENCLAVE 5.3 F prior to when a particular disease usually appears and at the very latest, upon first sign of disease. Use 14 - 28 day spray intervals. Add an acceptable wetting agent to the spray tank to increase product efficacy for hard-to-wet foliage. Use a spreader-sticker when excessive and repeated foliar wetting occurs. Use QUALI-PRO® ENCLAVE 5.3 F to control listed diseases on non-

commercial fruit and nut trees. Do not use fruit or nuts from trees treated with this product as food. Do not apply this product to home orchards or backyard fruit trees after fruit set.

Note: QUALI-PRO® ENCLAVE 5.3 F has been determined to be safe for use on the plant types listed in these directions for use based on cumulative data derived from research trials and historical field use. As all species and cultivars have not been tested, perform trial applications if a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for disease that is listed on the label. To conduct a trial application, apply at least two applications to at least 25 trial plants at the highest concentration, 7 days apart. Evaluate 7 days after the last application before initiating full-scale application. Do not use this product on the following plants: Swedish Ivy (*Nephrolepis exaltata*), Boston Fern (*Plectranthus australis*), and Easter Cactus (*Hatiora gaertneri*).

QUALI-PRO® ENCLAVE 5.3 F: ORNAMENTAL - PLANT TYPES TO BE USED ON

| PLANT TYPE | SUCH AS BUT NOT LIMITED TO: |
|--------------------|--|
| Herbaceous Bedding | Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove, Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks, Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena |
| Flowering | Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia |
| Tropical Foliage | Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos |
| Woody Ornamentals | Azalea, Hibiscus, Holly, Ligustrum, Rhododendrum, Rose, Pyracantha |
| Evergreen Trees | Douglas Fir, Fir, Larch, Pine, Spruce |
| Deciduous Trees* | Ash, London Plane, Maple, Oak, Sycamore, Walnut |
| Flowering Trees* | Cherry, Crabapple, Hawthorn, Mountain Ash, Pear |

*Do not use fruit or nuts from treated trees as food or feed.

QUALI-PRO® ENCLAVE 5.3 F: ORNAMENTALS AND DISEASES TO BE CONTROLLED

| DISEASE(S) | PLANT TYPES |
|---|--|
| Anthracoze | Woody ornamentals, shade trees ¹ |
| Ascochyta Blight | Herbaceous ornamentals |
| Black spot | Roses |
| Botrytris (Gray Mold) | Woody and herbaceous ornamentals |
| Brown Rot | Woody and herbaceous ornamentals |
| Colletotrichum | Woody and herbaceous ornamentals |
| Cercospora Leaf Spot | Woody and herbaceous ornamentals |
| Corynespora Leaf Spot | Ligustrum |
| Didymellina Leaf Spot | Iris |
| Diplodia Tip Blight (<i>Diplodia pinea</i>) | Shade and ornamental trees |
| Ovulinia | Azalea, rhododendron ² |
| Entomosporium Leaf Spot | Woody and herbaceous ornamentals |
| Fusicaladium Leaf Scab | Woody and herbaceous ornamentals |
| Phomopsis Blight | Woody and herbaceous ornamentals |
| Pine Tip Blights | Woody ornamentals |
| Powdery Mildew | Woody and herbaceous ornamentals, ornamental nut and fruit trees |
| Rust Diseases | Ornamental nut and fruit trees |
| Ramularia Leaf Spot | Herbaceous ornamentals |
| Scab | Pyracantha, flowering crab, ornamental fruit and nut trees |
| Septoria Leaf Spot | Woody and herbaceous ornamentals |
| Venturia Leaf Scab | Woody and herbaceous ornamentals |

¹ Begin at bud and make 2 or 3 additional applications at 14-day intervals.

² Begin treatments as flowers open. Addition of a spray surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants.

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ORNAMENTAL FOLIAR SPRAY RESTRICTIONS

Maximum Single Application Rates:

Ornamentals: Do not exceed the maximum single application rate of 11 pints per acre or a total of 43.6 pints QUALI-PRO® ENCLAVE 5.3 F per acre per season.

Cut Flowers: Do not exceed the maximum single application rate of 8 pints QUALI-PRO® ENCLAVE 5.3 F per acre and 43.6 pints QUALI-PRO® ENCLAVE 5.3 F per acre per season.

Seasonal Maximum Application:

All Ornamentals: Do not apply more than 43.6 pints QUALI-PRO® ENCLAVE 5.3 F per acre per season.

Hydraulic Application Mixing Instructions:

Add the required amount of QUALI-PRO® ENCLAVE 5.3 F to a partially filled spray tank agitated by mechanical or hydraulic means and then add the remaining volume of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment.

Application Concentrations (Mechanical or Hand-Held):

Use the labeled amount of QUALI-PRO® ENCLAVE 5.3 F per 100 gallons of water or in sufficient water to apply to the point of runoff per acre, for the prevention and control of the diseases shown below.

QUALI-PRO® ENCLAVE 5.3 F: APPLICATION RATES TO CONTROL DIFFERENT DISEASES

| DISEASE(S) CONTROLLED | CONCENTRATION OF QUALI-PRO® ENCLAVE 5.3 F fl.oz./100 Galons or pints/Acre | REMARKS |
|---|--|--|
| Anthracnose (<i>Colletotrichum</i>) | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Apply as buds break or at first sign of disease. Repeat application at 14-21 day intervals as needed during disease period. |
| Black Spot of Rose (<i>Diplocarpon rosae</i>) | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Apply early summer or at first sign of disease. Repeat application every 14-21 days as needed during disease period. |
| Brown Rot and Blight (<i>Monilinia, Sclerotinia, Whetzellinia</i>) | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Apply late spring or at first sign of disease. Repeat application every 14-21 days as needed during the disease period. |
| Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc. | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Apply as buds break. Repeat application every 14-21 days during disease period. Effective control requires coverage during expansion. Rotations with strobilurin (Qol) fungicides can be utilized. |
| Leaf Spots and Blights caused by: <i>Ascochyta, Blumeriella, Botrytis, Cercospora, Coccomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssoninia, Mycosphaerella, Myrothecium, Phoma, Physalasporea, Schizothyrium, Septoria, Sphaceloma</i> | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Make applications when disease symptoms first appear. Repeat every 14-21 days during disease period. Rotations with strobilurin (Qol) can be used. |
| Ovulinia Blight | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Apply as flowers open. Repeat every 14 to 21 days during disease period. |

| | | |
|---|--|---|
| Powdery Mildews <i>Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca</i> | 32 - 44 oz per 100 gal or 8 - 11 pts per acre | Apply when disease first appears and repeat application every 14 to 21 days. Rotations with other effective products can be used. |
| Rust Diseases caused by: <i>Puccinia, Gymnosporangium, Uromyces</i> | 32 - 44 oz per 100 gal or 8 - 11pts per acre | Apply late spring or when symptoms first appear. Repeat applications every 14 to 21 days during disease period. Rotations with other effective products can be used. |
| Tip Blight of Pine <i>Sphaeropsis sapinea, Diplodia pinea</i> | 32 - 44 oz per 100 gal or 8 - 11pts per acre | Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 14-21 days later. Ensure thorough coverage. |
| Twig Blights, Cankers, and Diebacks <i>Diaporthe, Kabatina, Phoma, Phomopsis</i> | 32 - 44 oz per 100 gal or 8 - 11pts per acre | Apply when symptoms first appear. Repeat applications every 14 to 21 days during disease period. |

Adjuvants: Where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker is suggested. Where wetting of foliage is difficult, use a compatible wetting agent. Follow the phytotoxicity precautions described in the **HORTICULTURAL APPLICATIONS** section of this label.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment.

PESTICIDE STORAGE: Store in original container in dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal instructions listed below.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. If recycling is not available, puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.**

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

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LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc.'s election, the replacement of product.

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